

Target gene	Sequence (5' - 3')	Amplicon size (bp)	References
<b>Single or multiplex PCR</b>			
<i>erm(A)</i>	5'-TCAGTTACTGCTATAGAAATTGATGGAG-3' 5'-ATACAGAGTCTACACTTGGCTTAGG-3'	358	(S1)
<i>erm(B)</i>	5'-TGGTATTCCAAATGCGTAATG-3' 5'-CTGTGGTATGGCGGGTAAGT-3'	745	(S2)
<i>erm(C)</i>	5'-CTTGGTGTACGATAATTCC-3' 5'-ATCTTTAGCAAACCCGTATTC-3'	190	(S3)
<i>erm(F)</i>	5'-CGGGTCAGCACTTACTATTG-3' 5'-GGACCTACCTCATAGACAAG-3'	466	(S4)
<i>msr(A)</i>	5'-TCCAATCATTGCACAAAATCTAAC-3' 5'-AAGTTATATCATGAATAGATTGTCCTGTT-3'	939	(S3) (S5)
<i>mef(A/E)</i>	5'-GATCYGCGATGGTCTTG-3' 5'-AAGCTGTTCCAATGCTACGG-3'	229	(S6) (S2)
16S	5'-TCCTACGGGAGGCAGCAGT-3' 5'-GGACTACCAGGGTATCTAACCTGTT-3'	466	(S7)
<b>Quantitative PCR</b>			
<i>erm(B)</i>	5'-GAAAGCCRTGCGTCTGACATC-3' 5'-CGAGACTTGAGTGTGCAAGAGC-3'	105	(S8)
<i>erm(F)</i>	5'-CGGGTCAGCACTTACTATTG-3' 5'-GGACCTACCTCATAGACAAG-3'	466	(S4)
<i>mef</i>	5'-TATGGAGCTACCTGTCTGGA-3' 5'-GGTACTAAAAGTGGCGTAACC-3' HEX-CCGTAGCATTGGAACAGCTTTC-BHQ1 [Probe]	85	(S9)

## References

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- S3. **Martineau F, Picard FJ, Lansac N, Menard C, Roy PH, Ouellette M, Bergeron MG.** 2000. Correlation between the resistance genotype determined by multiplex PCR assays and the antibiotic susceptibility patterns of *Staphylococcus aureus* and *Staphylococcus epidermidis*. *Antimicrob Agents Chemother* **44**:231-238.
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- S5. **Lina G, Quaglia A, Reverdy ME, Leclercq R, Vandenesch F, Etienne J.** 1999. Distribution of genes encoding resistance to macrolides, lincosamides, and streptogramins among staphylococci. *Antimicrob Agents Chemother* **43**:1062-1066.
- S6. **Klomberg DM, de Valk HA, Mouton JW, Klaassen CH.** 2005. Rapid and reliable real-time PCR assay for detection of the macrolide efflux gene and subsequent discrimination between its distinct subclasses *mef(A)* and *mef(E)*. *J Microbiol Methods* **60**:269-273.
- S7. **Nadkarni MA, Martin FE, Jacques NA, Hunter N.** 2002. Determination of bacterial load by real-time PCR using a broad-range (universal) probe and primers set. *Microbiology* **148**:257-266.
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